

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P275095

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2263.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

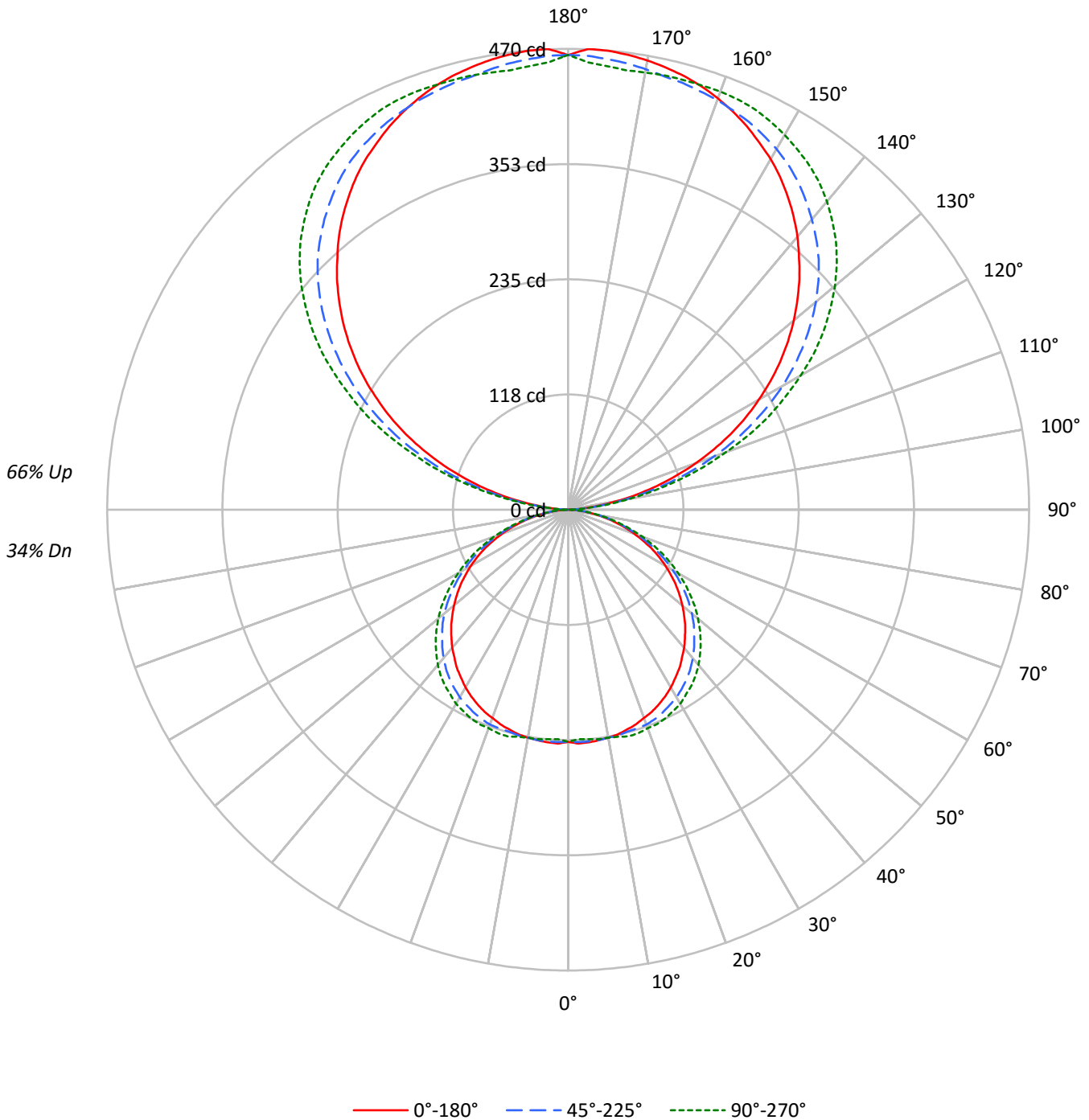
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1911	1911	1911
5°	1930	1922	1905
10°	1935	1935	1935
15°	1940	1957	2000
20°	1942	2003	2038
25°	1951	2032	2091
30°	1951	2060	2131
35°	1947	2077	2158
40°	1938	2082	2178
45°	1926	2076	2181
50°	1908	2067	2169
55°	1887	2038	2138
60°	1852	1984	2091
65°	1796	1910	2019
70°	1690	1799	1893
75°	1553	1647	1728
80°	1348	1441	1492
85°	1084	1121	1176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	1.0
10°-20°	66.4	2.9
20°-30°	104.6	4.6
30°-40°	130.7	5.8
40°-50°	139.3	6.2
50°-60°	128.5	5.7
60°-70°	98.6	4.4
70°-80°	55.9	2.5
80°-90°	14.7	0.7
90°-100°	23.7	1.0
100°-110°	111.7	4.9
110°-120°	202.4	8.9
120°-130°	260.0	11.5
130°-140°	276.6	12.2
140°-150°	254.5	11.2
150°-160°	201.5	8.9
160°-170°	127.9	5.7
170°-180°	43.9	1.9
0°-30°	193.6	8.6
0°-40°	324.3	14.3
0°-60°	592.0	26.2
0°-90°	761.3	33.6
90°-120°	337.8	14.9
90°-150°	1128.9	49.9
90°-180°	1502.0	66.4
0°-180°	2263.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	237	237	237	237	237	
5°	238	236	237	237	235	23
15°	232	231	234	238	239	66
25°	219	219	228	233	235	101
35°	198	201	211	216	219	123
45°	169	173	182	188	191	130
55°	134	138	145	149	152	120
65°	94	96	100	104	106	93
75°	50	51	53	55	55	53
85°	12	12	12	13	13	13
90°	0	0	0	0	0	2
95°	16	16	18	19	20	20
105°	94	98	107	113	116	99
115°	183	190	207	219	226	180
125°	264	272	293	309	318	236
135°	333	338	361	377	386	257
145°	390	389	408	421	429	244
155°	431	425	436	446	451	199
165°	458	451	451	452	454	129
175°	470	464	461	458	454	45
180°	464	464	464	464	464	



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CATALOG NUMBER: J3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	236.7	236.7	236.7	236.7	236.7
2.5°	238.8	236.7	237.2	237.2	234.2
5°	238.2	236.1	237.2	236.7	235.1
7.5°	237.2	235.7	237.2	237.2	236.1
10°	236.1	234.7	236.1	236.7	236.1
12.5°	234.7	233.2	235.7	236.7	237.2
15°	232.1	231.1	234.2	238.2	239.3
17.5°	229.6	229.1	233.7	238.2	238.8
20°	226.0	226.0	233.2	236.7	237.2
22.5°	223.0	223.0	231.1	234.7	236.7
25°	219.0	219.4	228.1	232.7	234.7
27.5°	214.4	215.9	224.5	229.6	231.6
30°	209.3	211.8	221.0	226.0	228.6
32.5°	203.3	206.7	215.9	221.0	223.5
35°	197.6	201.2	210.8	215.9	219.0
37.5°	190.5	195.0	204.7	209.8	213.4
40°	183.9	188.5	197.6	203.3	206.7
42.5°	176.2	181.3	190.0	195.6	199.1
45°	168.7	173.2	181.8	187.5	191.0
47.5°	160.5	165.1	173.8	178.9	182.3
50°	151.9	156.9	164.6	169.7	172.7
52.5°	143.2	147.8	154.9	160.1	163.1
55°	134.1	138.1	144.8	149.4	151.9
57.5°	124.4	128.5	134.1	138.7	141.2
60°	114.7	117.8	122.9	127.5	129.5
62.5°	104.6	107.2	111.7	115.4	117.8
65°	94.0	96.0	100.0	103.6	105.7
67.5°	82.8	84.8	88.3	91.4	93.0
70°	71.6	73.6	76.2	78.7	80.2
72.5°	60.9	62.0	64.5	66.6	67.6
75°	49.8	50.8	52.8	54.8	55.4
77.5°	39.7	40.1	41.7	42.7	43.2
80°	29.0	30.0	31.0	31.4	32.1
82.5°	19.8	20.3	20.8	21.3	21.8
85°	11.7	12.1	12.1	12.7	12.7
87.5°	5.1	5.6	5.6	5.6	5.6
90°	0.5	0.5	0.5	0.0	0.0
92.5°	5.1	5.1	5.6	6.1	6.6
95°	15.7	16.3	17.8	18.8	19.8
97.5°	31.4	32.5	35.5	38.1	39.1
100°	50.8	52.8	57.5	60.9	62.5
102.5°	71.6	74.6	81.3	86.4	88.9
105°	93.5	97.6	106.7	113.3	116.4
107.5°	115.8	121.0	132.6	140.2	144.3
110°	138.1	144.8	157.5	167.6	170.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	160.5	167.6	182.8	194.0	199.6
115°	182.8	190.5	206.7	219.4	225.6
117.5°	204.3	212.3	230.1	244.4	249.9
120°	224.5	233.2	252.5	267.2	273.8
122.5°	244.8	253.0	273.3	289.0	297.2
125°	264.1	272.3	293.1	309.3	318.0
127.5°	282.5	290.0	311.9	328.6	336.8
130°	300.2	307.3	329.6	346.0	355.1
132.5°	317.0	323.6	346.0	361.7	371.4
135°	333.3	338.3	361.2	376.9	386.1
137.5°	348.4	352.0	374.4	390.2	398.8
140°	363.7	364.8	386.6	401.3	410.4
142.5°	377.4	376.9	397.8	411.9	420.6
145°	390.2	388.6	408.4	421.1	428.7
147.5°	402.3	398.8	417.5	428.3	435.3
150°	412.9	408.4	424.7	435.3	441.4
152.5°	422.1	417.0	430.7	440.4	446.4
155°	431.3	425.2	436.3	445.5	450.6
157.5°	439.4	431.7	440.4	448.5	452.7
160°	446.4	438.9	444.5	450.6	453.7
162.5°	452.7	445.0	447.5	451.1	453.7
165°	457.7	450.6	450.6	452.0	453.7
167.5°	461.7	455.7	452.7	453.1	453.7
170°	465.3	459.2	456.1	453.1	452.7
172.5°	467.9	461.7	459.2	455.1	452.0
175°	469.8	464.3	461.2	457.7	454.1
177.5°	470.4	465.8	463.3	459.7	456.7
180°	463.8	463.8	463.8	463.8	463.8

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